## Index of Claims



Application No.

10/053,030 Examiner

Daniel Zirker

Applicant(s)

FLECK ET AL.

Art Unit

1771

| - | 1 | Rejected |
|---|---|----------|
|   | = | Allowed  |

(Through numeral)
Cancelled

Restricted

Non-Elected N Interference

Appeal Α o Objected

| Claim Date |           |  |                 |                     |          | Claim Date   |                 |               |          |      |  |          |          | Clai             | m        | Date      |                |           |          |       |            |               |            |              |              |          |           |           |  |  |              |   |
|------------|-----------|--|-----------------|---------------------|----------|--------------|-----------------|---------------|----------|------|--|----------|----------|------------------|----------|-----------|----------------|-----------|----------|-------|------------|---------------|------------|--------------|--------------|----------|-----------|-----------|--|--|--------------|---|
|            | <u>ra</u> | 8  | 4               | T                   | Ť        | Ĭ            | $\neg$          |               | Γ        |      |  |          |          | T                |          | Τ         |                | T         |          |       | Г          | Т             |            |              |              |          |           |           |  |  |              |   |
| Final      | Original  | \$0<br>\$0                                       | 싕               | ļ                   |          |              |                 |               |          |      | Final  | Original |          |                  |          |           |                |           |          |       | i          | Ē             | Original   |              | -            |          |           |           |  |  | ١            |   |
|            | 0         | 3  | 4               | 4                   | 4        | 4            | _               | _             | -        |      |  | 51       | Н        | +                | +        | 1-        | $\vdash$       | 4         | +        |       | _          | +             | 101        | -            | +            | -        | $\dashv$  | $\dashv$  |  | $\dashv$   | $\dashv$     | _ |
|            | 1         | 1  | 7               | -+                  |          | $\dashv$     | -+              | -             | +-       |      |  | 52       |          | +                | ╁        | +-        |                | -+        |          |       | -          |               | 102        | ᅱ            | $\dashv$     | $\dashv$ |           | $\dashv$  | -  | $\dashv$   | $\dashv$     | _ |
|            | 2         |  | +               | -                   |          | -            | -+              | -             |          |      |  | 53       | $\vdash$ | +                |          | ╂─        | ┝╌┼            |           | +        |       | -          |               | 103        | -1           | -            | -        |           | -+        |  | $\dashv$   | -            | _ |
|            | 3         | $\vdash$   | +               |                     | -        | _            | $\dashv$        |               |          |      |  | 54       | $\vdash$ |                  | +        | +         | -              | +         | +        | -1111 |            | +             | 104        | $\dashv$     | -+           | -        | -         | $\dashv$  | -†   | -  | $\dashv$     | _ |
|            | 4         | Н  | $+\!\!+\!\!\!+$ | -+                  | +        |              | +               | +             | -        |      |  | 55       | -        | +                |          | +         | ┝╌┼            | +         | -        | -110  | -          |               | 105        |              | -            | $\dashv$ | ┪         | -         | $\dashv$   | $\dashv$   | $\dashv$     | _ |
|            | 5         | Н  | ╂               |                     | -        |              | -+              |               | +-       |      |  | 56       | $\vdash$ |                  |          | ┼─        | <del>   </del> | +         | +        | - 50  | ├          | +             | 106        | $\dashv$     | $\dashv$     |          | -+        | $\dashv$  | $-\dagger$   | $\dashv$   | -            |   |
|            | 6         | $\vdash$   | +               | -                   | $\dashv$ | $\dashv$     | $\dashv$        | +             | +-       |      |  | 57       | $\vdash$ |                  | +        | ╫         | $\vdash$       | $\dashv$  |          | -111  | -          | +             | 107        | $\dashv$     | -+           | -        |           | $\dashv$  | 一  | $\dashv$   | $\neg$       | _ |
|            | 7         | Н  | +               | -+                  | +        |              | -+              | +             |          |      |  | 58       | -        | -                | +        | +-        | $\vdash$       | +         | +        |       | -          |               | 108        | -            | -            | $\dashv$ | -         | $\dashv$  | $\neg$   | $\dashv$   | 一            | _ |
|            | 9         | $\vdash$   | +               |                     | +        |              | $\dashv$        |               |          | H    |  | 59       |          |                  |          | +-        | -              | +         | +-       |       | -          | +             | 109        | $\dashv$     | -            | -        | $\neg$    | $\dashv$  | $\neg \uparrow$                                    | $\dashv$   | $\dashv$     |   |
|            | 10        | ├┤   | +               |                     | -        |              | $\dashv$        |               | +-       |      |  | 60       | $\vdash$ | -+               | +        | ┪~~       | $\vdash$       | +         | +        | -     | -          |               | 110        | $\neg$       | $\dashv$     | 7        | $\dashv$  | $\dashv$  | $\neg$   |  | 一            | - |
|            | 11        | -  | 4               | -                   | -+       | $\dashv$     | -               |               | +        |      | ├  | 61       | $\vdash$ | +                | $\dashv$ | ┼─        |                | +         | +        | - 1   | -          | +             | 111        |              | $\dashv$     | -        | $\neg$    | $\exists$ |  | 一  | $\dashv$     | Г |
|            | 12        | H  | H               | -+                  | -        | $\dashv$     | -+              | +             |          |      |  | 62       | Н        | $\vdash$         | +        | $\dagger$ | $\vdash$       | +         | +        |       | 1          | $\dashv$      | 112        | $\neg$       | $\vdash$     | +        | $\exists$ |           | -  | $\neg \dagger$                                   | $\dashv$     | _ |
|            | 13        | +-   | $\vdash$        |                     | -+       | -            | -               | $\dashv$      | +        | M    | $\vdash$   | 63       |          | $\vdash$         | +        | +         | -              | $\dashv$  | +        |       | +          | +             | 113        | $\neg$       | $\vdash$     |          |           |           |  | $\sqcap$   | ⊣            | Γ |
|            | 14        | 1  | $\vdash$        | -                   | +        | $\dashv$     |                 | $\dashv$      | +        |      | <del>                                     </del> | 64       | Н        | -                | -        | +-        | $\vdash$       | $\exists$ | +        | 7     | -          | $\dashv$      | 114        |              | $\vdash$     | $\neg$   |           | $\neg$    |  | $\sqcap$   | $\dashv$     | Γ |
|            | 15        | $\vdash$   | $\vdash$        | -                   | -        | $\dashv$     | $\vdash$        | $\dashv$      | - -      |      |  | 65       | М        | $\sqcap$         | -        | T         |                | $\dashv$  | +        | 711   | r          | $\dashv$      | 115        |              | П            |          |           | $\neg$    |  | П  | $\neg$       | Ī |
|            | 16        | $\vdash$   | $\vdash$        | -                   | +        |              |                 | +             |          | 1    |  | 66       | Н        | $\sqcap$         | +        | $\dagger$ | -              | $\top$    | 1        |       | Τ          | $\Box$        | 116        |              | П            |          |           | $\neg$    |  | $\sqcap$   |              | Γ |
|            | 17        | $\vdash$   |                 | 1                   | _        |              | $\Box$          | $\neg \vdash$ | +        |      |  | 67       |          | $\vdash$         | ┪        | 1         | $\Box$         | 寸         | _        | 7     | Τ          |               | 117        | Ţ.           |              |          |           |           | П  | $\Box$   | $\neg$       | Γ |
|            | 18        | П  | •               | _                   | 7        |              |                 | _             | $\top$   | 1    |  | 68       | П        | $\sqcap$         |          | 1         |                | _         |          |       | ▮          |               | 118        |              | П            |          |           |           |  |  |              | Г |
|            | 19        | 1  | Н               | _                   | $\neg$   |              |                 |               |          |      |  | 69       |          |                  |          | 1         |                |           |          |       | Г          |               | 119        |              |              |          |           |           |  | П  |              | Γ |
|            | 20        | t  | $\vdash$        |                     | $\neg$   |              |                 |               | _        |      |  | 70       | $\vdash$ | $\sqcap$         | $\neg$   | 1         |                |           |          | 7     |            |               | 120        |              |              |          |           |           |  |  |              | Ĺ |
|            | 21        | $\vdash$   |                 | _                   |          |              | $\vdash$        | _             | $\neg$   |      |  | 71       |          | П                |          | $\top$    | 1              |           |          |       |            |               | 121        |              | П            |          |           | $\sqcap$  |  |  |              | Г |
|            | 22        | $\top$   |                 | $\neg$              | 7        |              |                 |               |          |      |  | 72       |          |                  |          | T         | $\Box$         |           |          |       |            |               | 122        |              |              |          |           |           |  |  |              |   |
|            | 23        | <del>                                     </del> |                 |                     | ヿ        |              |                 | $\neg$        | $\top$   |      |  | 73       |          |                  |          | $\top$    | П              | $\neg$    |          |       |            |               | 123        |              |              |          |           |           |  |  |              | C |
|            | 24        | $\vdash$   |                 |                     | $\neg$   |              | $\Box$          |               |          | 18   |  | 74       |          |                  |          |           |                |           |          |       |            |               | 124        |              |              |          |           |           |  |  |              | L |
|            | 25        | Т  | П               |                     | $\neg$   |              | П               |               |          |      |  | 75       |          |                  |          | T         |                |           |          |       |            |               | 125        |              |              |          |           | Ш         |  |  |              | L |
|            | 26        |  |                 |                     |          |              |                 |               |          |      |  | 76       |          |                  |          |           |                |           |          |       |            |               | 126        |              |              |          |           | Ш         |  |  |              | L |
|            | 27        | Г  |                 |                     | -        |              |                 |               |          |      |  | 77       |          |                  |          |           |                |           |          |       | iL_        |               | 127        |              |              |          |           | Ш         |  |  |              | L |
|            | 28        |  |                 |                     |          |              |                 |               | $\perp$  | 100  |  | 78       |          |                  |          |           |                |           | _        |       | L          |               | 128        | _            | Ш            |          | _         |           |  | Ш  |              | L |
|            | 29        |  |                 |                     | $\Box$   |              |                 |               |          |      |  | 79       | <u> </u> | Ш                |          |           | Ш              | _         | _        |       |            | _             | 129        | _            | Ш            |          | _         | Щ         | Ļ  |  |              | L |
|            | 30        |  | Ш               |                     | $\Box$   |              | Ц               | $\perp$       |          |      |  | 80       | _        | $\sqcup$         | _        | ↓         |                | 4         | $\dashv$ | _     | <b>1</b> _ | _             | 130        | <u>_</u>     | Ш            |          |           |           | _  | Ш  | ш            | L |
|            | 31        | _  | Ш               | $\dashv$            | _        |              |                 |               |          |      |  | 81       | ┞        | $\sqcup$         | 4        | 4-        | Ш              | _         | $\perp$  | -     | _          | _             | 131        | _            |              |          | _         | $\vdash$  | _  | Н  | لـــا        | Ļ |
|            | 32        | _  | Ш               | $\dashv$            | _        |              |                 | _ -           |          | -    | <u> </u>   | 82       | ـــ      |                  |          | 4         | $\vdash$       |           |          | - 1   | -          |               | 132        |              | _            | _        | <u> </u>  | Н         | _  | $\Box$   | أسا          | ŀ |
|            | 33        | <u> </u>   | Ш               |                     | _        |              |                 | $\perp$       |          | 140  | <u> </u>   | 83       | 1        | $\vdash$         | 4        | - -       | $\sqcup$       |           | _        | -11   | L          | _             | 133        | _            | H            | _        | <u> </u>  | -         |  | $\vdash$   | لب           | L |
|            | 34        | 4  | Ш               | $\sqcup$            |          |              | $\vdash$        | 1             | -        | Inch |  | 84       | ₩        | <b>}-</b> ∤      | +        | +         | $\vdash$       | $\dashv$  | - -      | 4     | -          | $\rightarrow$ | 134        | -            | $\vdash$     | -        | <u> </u>  | $\vdash$  | $\vdash$   | $\vdash$   | $\vdash$     | H |
|            | 35        | 4  |                 | $\sqcup \downarrow$ |          | _            | $\sqcup$        | $\sqcup$      |          |      | ļ  | 85       | ـــ      | $\vdash$         | 4        | +-        | $\vdash$       | 4         | - -      | -0    | <u> </u>   | $\dashv$      | 135        |              | Н            | H        | -         | <u> </u>  | H  | Н  |              | 1 |
|            | 36        | ▙  | Ш               |                     |          |              |                 | -             |          | -00  |  | 86       | ↓_       | $\vdash$         |          | +         | -              | $\dashv$  | -        | -     | -          | _             | 136        |              | -            | _        | ⊢         |           | _  |  | <u> </u>     | ŀ |
|            | 37        | +-   | Ш               | $\vdash$            | _        | $\vdash$     | ┞╌┥             | $\vdash$      | _ _      |      | <u> </u>   | 87       | 1        |                  |          |           | $\vdash$       | $\dashv$  | -        | -#    | -          |               | 137<br>138 | -            | -            | -        | -         |           | -  | $\vdash$   | -            | + |
|            | 38        | 1  | 1-              | $\vdash\dashv$      | $\dashv$ | <del> </del> |                 | -             |          | 4    | -  | 88       | $\vdash$ | ╁╾┼              | +        | +-        | +              | +         |          | -1    | -          |               | 138        | $\vdash$     | <del> </del> |          | $\vdash$  | H         | -  | H  | -            | + |
|            | 39        | 1  | H               | $\vdash$            |          |              |                 | $\vdash$      |          | -    |  | 89<br>90 | $\vdash$ | <del>  -  </del> | +        | +-        | -              | $\dashv$  | +        | - 15  | -          | $\dashv$      | 140        | -            | -            |          | ŀ-        | -         | ├-   | $\vdash$   | <del> </del> | ╁ |
|            | 40        | +  | $\vdash$        | $\vdash$            | $\dashv$ | $\vdash$     | ┝╌┤             | $\vdash$      | -        |      | -  | 91       | +        | +-+              |          | +-        | 1-             | -         | +        | -     | -          |               | 141        | $\vdash$     | -            | $\vdash$ |           | $\vdash$  | <del>  -</del>                                     | <del>  </del>                                    | $\vdash$     | t |
|            | 42        | +-   | $\vdash$        | $\vdash$            | $\dashv$ | H            | $\vdash$        | $\vdash$      | +        | 1    | -  | 92       | -        | ╁                | +        | +         | $\vdash$       |           | +        | -     | -          | -             | 142        | ╁            | -            | $\vdash$ | -         | -         | +-   | <del>                                     </del> | -            | t |
|            | 42        | ╁  | $\vdash$        | $\vdash$            | $\vdash$ | -            | $\vdash$        | -+            | $\dashv$ | -    | -  | 93       | $\vdash$ | ++               | -        | +         | +-             |           | -        |       | -          |               | 143        | <del> </del> | -            | $\vdash$ | Ė         | 1         | $\vdash$   | $\vdash$   | $\vdash$     | t |
|            | 43        | +  | $\vdash$        | $\vdash$            |          | $\vdash$     | $\vdash \vdash$ | $\vdash$      |          |      | -  | 94       | +        | ╁┼               | -+       | +         | $\vdash$       |           | +        | ۳,    | 1          | -             | 144        | $\vdash$     |              | $\vdash$ |           | $\vdash$  | <del>  -                                    </del> | $\vdash$   | $\vdash$     | t |
|            | 45        | +-   | H               | $\vdash \vdash$     |          | <del> </del> | $\vdash$        | $\vdash$      | +        | 714  |  | 95       | +        | $\vdash$         |          | +         | +-             | -         | +        |       | ╟          | -             | 145        | 1            | 1            | $\vdash$ | 1         |           | $\vdash$   |  | $\vdash$     | t |
|            | 46        | +-   | -               | $\vdash$            | $\dashv$ | -            | $\vdash$        | $\vdash$      | +        | 10   | 1  | 96       | +        | $\vdash$         | +        | +-        | $\vdash$       | $\dashv$  | +        |       | -          | $\dashv$      | 146        | $\vdash$     | 1            |          | $\vdash$  | 1         | $\vdash$   | ┌┤   | _            | t |
|            | 47        | +  | 1               | Н                   | $\dashv$ |              | $\vdash$        | 1             | - -      | 1    | 1  | 97       | -        | H                | +        | +         | $\vdash$       | -         | $\top$   |       | -          | $\dashv$      | 147        | H            |              | Ι-       |           |           | $\vdash$   |  | -            | t |
|            | 48        | T  | $\vdash$        |                     |          | -            | H               |               | 1        |      | -  | 98       | +        | $\vdash \vdash$  | $\dashv$ | +         | 1              | $\dashv$  | +        |       | -          | _             | 148        | 1            |              | $\vdash$ |           | $\vdash$  | 1  | $\vdash$   | $\vdash$     | t |
|            | 49        | +  | 1               | $\vdash \vdash$     | Н        |              | $\vdash$        | $\vdash$      | +        |      |  | 99       | 1        | $\vdash$         | -+       | +         | +              | -         | +        |       |            | $\neg$        | 149        | Ι-           | 1            | Г        | -         |           |  | $\vdash$   |              | t |
|            | 50        | +-   |                 |                     | $\vdash$ |              | $\vdash$        |               | 十        |      |  | 100      | 1        | <del>   </del>   | 十        | +         | 1              | _         | $\top$   |       | 1          |               | 150        | 1            |              | $\vdash$ |           |           | $\vdash$   |  | Г            | t |